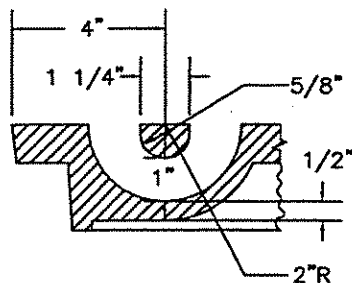
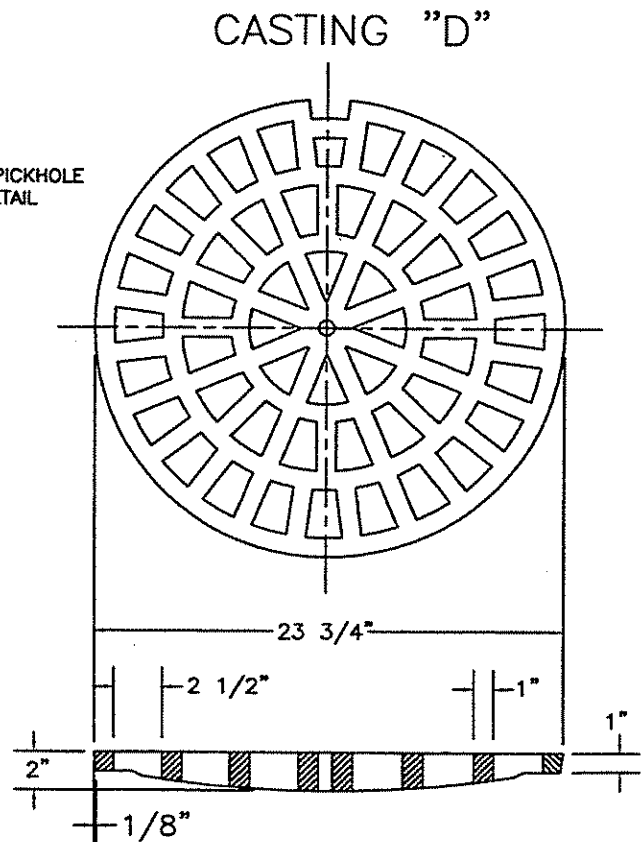
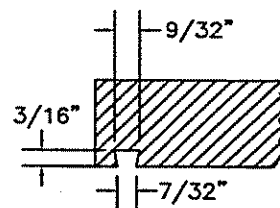
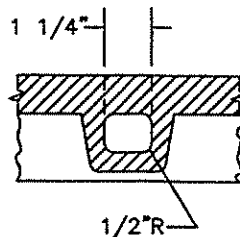


CONSEALED PICKHOLE
SEE DETAIL



CONCEALED PICKHOLE DETAIL



DOVETAIL GROVE DETAIL

NOTES:

1. CASTINGS "B" & "D" SHALL BE USED WITH FRAME CASTING "A" (STD. PLATE 2201D)
2. CASTING SHALL BE CONSTRUCTED OF UNPAINTED GRAY IRON MEETING ASTM A-48, CLASS 35B OR BETTER AND SHALL CONFORM TO AASHTO DESIGNATION M306-89.
3. CASTING "B" TO BE SUPPLIED WITH SELF-SEALING GASKET OF POLYISOPRENE (40 DUROMETER) SET IN DOVETAIL GROVE PER DETAIL ONLY WHEN SPECIFICALLY IDENTIFIED IN THE PLANS.
4. COVER PATTERN MAY BE MODIFIED SQUARE INDENT (AS SHOWN) OR CROSS HATCH AS APPROVED BY ENGINEER.
5. EACH CASTING SHALL BEAR AN IDENTIFICATION MARK, RECESSED FLUSH, INDICATING THE SOURCE OF MANUFACTURE, WHICH MARK SHALL EITHER BE A SYMBOL NOT OVER 1 1/2 INCHES IN GREATEST DIMENSION OR IN LETTER FORM NO GREATER THAN 3/4 INCH IN HEIGHT AND 2 INCHES IN LENGTH. LOCATION OF IDENTIFICATION MARKS BY THE ENGINEER.

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota

Joseph J. Mueller
JOSEPH J. MUELLER
Date 9-2-02 Lic. No. 13942

APPROVED

[Signature]
CITY ENGINEER

CITY OF ST. PAUL
DEPARTMENT OF PUBLIC WORKS

COVER CASTINGS "B" & "D"

Date of
Revision

JULY
2002

Standard
Plate
No.

2202C